1Z0-1089-20$^{Q\&As}$

Oracle Cloud Infrastructure 2020 HPC and Big Data Solutions Associate

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QUESTION 1

Which statement correctly describes Oracle Data Science?

A. It is primarily focused on supporting a single data scientist.

B. It enables data science teams to build, train, and manage machine learning models on Oracle Cloud.

C. It provides management for on-premise machine learning models.

D. Oracle\\'s Data Science model catalog holds contains only the model artifact.

Correct Answer: C

QUESTION 2

Which three Hadoop distributions are supported on Oracle Cloud Infrastructure (OCI)?

A. Pivotal EMC

B. Apache Hadoop

C. Hortonworks

D. MapR

E. Cloudera

Correct Answer: BCE

QUESTION 3

What does the Terasort phase of the Terasort benchmark do?

A. It maps and reduces source data in a parallel manner, leveraging data locality to minimize network transfer.

B. It randomly maps source data and reduces output to a smaller data set,

C. It maps and reduces one terabyte of data into a smaller data set.

D. It randomly maps source data and increases output to a bigger data set.

Correct Answer: B

QUESTION 4

What HDFS replication factor should be used for locally attached storage In HDFS?

A. 4

B. 2

C. 3

D. 1

Correct Answer: B

QUESTION 5

You have an HPC cluster running tightly coupled MPI jobs without VPN or Fast Connect. The compute nodes are on subnet2(172.16.1.0/24), and there is a BM.Dense.I02.8 on subnet1 (172-16.0.0/24) that will serve as a bastion and file server.

What security lists should you choose to be able to run the workloads while limiting access as possible?

A. Subnet1: 0.0.0.0 for TCP port 22, subnet 1 and 2: 172.16.0.0/23 for all protocols

B. Subnet1: 0.0.0.0 for all protocols, subnet2: 172.16.0-0/16 for all protocols

C. Subnet1: 172.16.1.0/24 for port 22, subnet2: 172.16.1.0/24 for all protocols

D. Subnet1: 0.0.0.0 for TCP port 27, subnet 7: 172.16.0.0/16 for TCP port 22

Correct Answer: B

QUESTION 6

When an instance pool scales in, what is the correct order that the instances are terminated?

A. The number of instances is balanced across availability domains, the oldest instance within the fault domain is terminated, the number of instances Is balanced across fault domains.

B. The number of instances is balanced across availability domains, the number of instances is balanced across fault domains, the oldest instance within the fault domain is terminated.

C. The oldest instance within the fault domain is terminated, the number of instances is balanced across availability domains, the number of instances is balanced across fault domains.

D. The number of instances is balanced across fault domains, the number of instances is balanced across fault domains, the oldest instance within the fault domain is terminated.

Correct Answer: B

QUESTION 7

When running a high memory workload, what should be your machine of choice?

A. BM.Standard.E2.64

B. BM.Standard.E3.128

C. BM.HPC2.36

D. BM.GPU3.8

Correct Answer: B

QUESTION 8

Which Message Passing Interface (MPI) distribution is NOT available today?

A. OCI MPI

B. Intel MPI

C. Platform MPI

D. Open MPI

Correct Answer: B

QUESTION 9

A file system is built using BM.Standard2.52 Compute shape for File Servers. One 25 Gbps NIC/network card is used to connect to 10 Block Volumes of 1TB each (max. 4#0MB/s per volume). The other 25 Gbps NIC is used for sending/receiving data to/from client nodes.

File system client instances which mount the file system are provisioned using VM.Standard2.16 Compute shapes. (Network bandwidth: l6.4Gbps(2050 MB/s))

What is the max IO theoretical throughput a client node can get?

A. 2050 MB/s

B. 4800 MB/s

C. 3125 MB/s

D. 6250 MB/s

Correct Answer: C

QUESTION 10

Which is an accurate analogy for Amdahl\\'s law?

A. There Is no such thing as a free lunch.

B. An orchestra can only play well together If they have a great conductor.

C. When chopping vegetable to prepare a 4 person-meal, 2 persons are going twice as fast as one, but 8 people may not be 8 times faster.

D. In track and field, the 4xl00m relay is only 17% faster than the world record for individual 400m.

Correct Answer: C

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